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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/599,369	09/27/2006	Bernardus H.W. Hendriks	GB 040078	7688
24737 7590 02/14/2008 PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 PRIADCH HE MANOR NIV 10510			EXAMINER	
			COLLINS, DARRYL J	
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			2873	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/599,369	HENDRIKS ET AL.
Office Action Summary	Examiner	Art Unit
	DARRYL J. COLLINS	2873
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the c	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on <u>26 №</u> This action is FINAL . 2b) This action is application is in condition for allowed closed in accordance with the practice under	s action is non-final. ance except for formal matters, pro	
Disposition of Claims		
4) Claim(s) 1-13 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-6 and 8-13 is/are rejected. 7) Claim(s) 7 is/are objected to. 8) Claim(s) are subject to restriction and/o Application Papers 9) The specification is objected to by the Examin 10) The drawing(s) filed on 27 September 2006 is Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct	er. derection requirement. derection accepted or b) objection is required if the drawing(s) is objection.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
11) The oath or declaration is objected to by the E	xaminer. Note the attached Office	Action or form PTO-152.
Priority under 35 U.S.C. § 119		
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document * See the attached detailed Office action for a list 	nts have been received. Its have been received in Applicationity documents have been received au (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 10102007.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal F 6) Other:	ate

DETAILED ACTION

Information Disclosure Statement

The information disclosure statement filed October 10, 2007 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each cited foreign patent document; each non-patent literature publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. It has been placed in the application file, but the Non-Patent Literature citation (citation 3) referred to therein has not been considered.

Response to Arguments

Applicant's arguments, see page 2, third paragraph and page 3, first paragraph, filed November 26, 2007, with respect to the rejection(s) of claim(s) 1-6 and 8-13 under 102 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of a different interpretation of previous applied reference.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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Claims 1-6 and 8-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Onuki et al (U.S. Patent Number 6,806,988).

Although, Onuki et al teaches a controllable optical lens system, comprising a chamber (column 5, lines 50-54) housing first and second fluids (Figure 2, elements 121 and 122, respectively), the interface between the fluids defining a lens surface (Figure 2, element 124), an electrode arrangement (Figure 2, elements 103 and 125) for electrically controlling the shape of the lens surface (column 6, lines 8-12), the electrode arrangement comprising first (Figure 2, element 121) and second (Figure 2, element 122) electrodes, a power source (Figure 2, element 126) for supplying current to the electrodes (column 6, lines 8-12), Onuki et al fails to explicitly teach a means for monitoring the current supplied by the power source over time and deriving the charge supplied, a means for monitoring the voltage on one of the electrodes of the electrode arrangement, and a means for deriving from a desired lens power a value for controlling the total change to be supplied to the electrode arrangement as claimed in independent claim 1. However, given the teaching by Onuki et al of a CPU (Figure 9, element 130) and control feedback loops (Figure 9) of the electrical parameters, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to produce a controllable optical lens system wherein electrical parameters, such as current and voltage, are monitored and adjusted to provide proper focus of the lens system as claimed in independent claim 1.

Onuki et al also teaches a controllable optical lens system, as described above, wherein the means for deriving a value is for deriving a ratio of the charge supplied to the voltage (column 8, lines 63-67) as claimed in dependent claim 2.

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Onuki et al again teaches a controllable optical lens system, as described above, wherein the power source is also for maintaining a constant voltage and is controlled to maintain the voltage on the one of the electrodes after the derived ratio between the charge supplied and the voltage had been reached (Figure 8E) as claimed in dependent claim 3.

Onuki et al further teaches a controllable optical lens system, as described above, wherein the means for deriving comprises a look-up table (column 9, line 66 – column 10, line 4) as claimed in dependent claim 4.

Onuki et al still further teaches a controllable optical lens system, as described above, wherein the look-up table receives as input an effective electrode height, which depends on the lens power, and provides as output the ratio of the charge supplied to the voltage (Figure 10, steps S121, S122, S123 and S124) as claimed in dependent claim 5.

Still further, Onuki et al teaches a controllable optical lens system, as described above, wherein the electrode arrangement comprises a drive electrode arrangement comprising a base electrode (Figure 2, element 103) and a side wall electrode (Figure 2, element 125) as claimed in dependent claim 6.

Once again, Onuki et al teaches a controllable optical lens system, as described above, wherein the first fluid comprises a polar and/or conductive liquid (column 6, line 21) and the second fluid comprises a nonconductive liquid (column 6, lines 17-18) as claimed in dependent claim 8.

Again, Onuki et al teaches a method of driving a controllable optical lens system, comprising a chamber (column 5, lines 50-54) housing first and second fluids (Figure 2, elements 121 and 122, respectively), the interface between the fluids defining a lens

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surface (Figure 2, element 124), an electrode arrangement (Figure 2, elements 103 and 125) for electrically controlling the shape of the lens surface (column 6, lines 8-12), the electrode arrangement comprising first (Figure 2, element 121) and second (Figure 2. element 122) wherein the method comprises selecting a desired lens power (Figure 10, element S122), deriving from the desired lens power a value for controlling the total charge to be supplied to the electrode arrangement (Figure 10, element S124), supplying current to the electrode arrangement (Figure 9, element 131), but fails to explicitly teach monitoring the current supplied over time and deriving the charge supplied and monitoring the voltage on one of the electrodes of the electrode arrangement and applying current until the total charge supplied to the electrode arrangement reaches the desired value as claimed in independent claim 9. Still again, given the teaching by Onuki et al of a CPU (Figure 9, element 130) and control feedback loops (Figure 9) of the electrical parameters, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to produce a controllable optical lens system wherein electrical parameters, such as current and voltage, are monitored and adjusted to provide proper focus of the lens system as claimed in independent claim 9.

Onuki et al also teaches a method of driving a controllable optical lens system, as described above, wherein deriving a value comprises deriving a ratio of the charge supplied to the voltage (column 8, lines 63-67) as claimed in dependent claim 10.

Onuki et al again teaches a method of driving a controllable optical lens system, as described above, further comprising maintaining a constant voltage on the one of the electrodes of the electrode arrangement after the derived ratio between the charge supplied and the voltage had been reached (Figure 8E) as claimed in dependent claim 11.

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Onuki et al further teaches a method of driving a controllable optical lens system, as described above, wherein the deriving a value indicating the total charge to be supplied comprises accessing a look-up table (column 9, line 66 – column 10, line 4) as claimed in dependent claim 12.

Onuki et al still further teaches a method of driving a controllable optical lens system, as described above, wherein the look-up table receives as input an effective electrode height, which depends on the lens power, and provides as output the ratio of the charge supplied to the voltage (Figure 10, steps S121, S122, S123 and S124) as claimed in dependent claim 13.

Allowable Subject Matter

Claim 7 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: The prior art taken either singularly or in combination fails to anticipate or fairly suggest the limitations of the independent claims, in such a manner that a rejection under 35 U.S.C. 102 or 103 would be proper. Although the prior art teaches controllable optical lens system, comprising a chamber housing first and second fluids, the interface between the fluids defining a lens surface, an electrode arrangement for electrically controlling the shape of the lens surface, the electrode arrangement comprising first and second electrodes, a power source for supplying current to the electrodes, means for monitoring the current supplied by the power source over time and deriving the charge

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supplied, means for monitoring the voltage on one of the electrodes of the electrode arrangement, and a means for deriving from a desired lens power a value for controlling the total change to be supplied to the electrode arrangement, wherein the electrode arrangement comprises a drive electrode arrangement comprising a base and a side wall electrode the prior art fails to teach such a lens system wherein the side wall electrode comprises an annular electrode which surrounds the chamber as claimed in dependent claim 7.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DARRYL J. COLLINS whose telephone number is (571)272-2325. The examiner can normally be reached on 6:30 - 5:00 Monday - Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Mack can be reached on 571-272-2333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Darryl J. Collins Primary Examiner Art Unit 2873

31 January 2008 / Darryl J. Collins/